# Thrust: Representation and Transfer of Meaning

- **Unresolved research issues/challenges**:
  - How to resolve cultural knowledge processing biases in a group shared environment?
  - How to merge neuronal knowledge processing with cognitive models of knowledge processing
  - How to effect transfer of uniquely held knowledge in a distributed, heterogeneous, quick response group environment
  - How to train agents to understand and react to human decision making variability
  - Computational models of Naturalistic decision Making
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- **Promising Technologies:**
  - Web-based Knowledge Elicitation Tools, e.g. simplified Bayesian Belief Nets
  - Augmented Visualization
  - Development of shared mental models
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- **Underlying science/concepts/tools:**
  - Transactive memory
  - Convention in joint activity
  - Cognitive Task Analyses
  - Knowledge Elicitation
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# Thrust: Representation and Transfer of Meaning

- **Metrics & Measures of Effectiveness:**
  - Measures of shared understanding and time needed to achieve it.
  - Measures of effectiveness of digital decision aids
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